

7364 U.S. PTO



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on March 23, 2004 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV332823766US, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jeffrey Ng

Attorney Docket No.:

NOVLP097/NVLS-2906

First Named Inventor: Qingguo Wu

U.S. PTO  
10/807680



03/23/2004

**UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))**  
(Continuation, Divisional or Continuation-in-part application)

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir: This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors:  
Qingguo Wu, Haiying Fu and Timothy J. Muir

For: **METHODS OF POROGEN REMOVAL FOR POROUS LOW DIELECTRIC CONSTANT FILMS USING PLASMA TREATMENTS**

Assigned to : Novellus Systems, Inc.

This application is a ☐ Continuation ☐ Divisional ☒ Continuation-in-part

of prior Application No.: Not Yet Assigned (Atty Docket No. NOVLP089), from which priority under 35 U.S.C. §120 is claimed.

The specification has been amended to claim priority from the parent application, or such amendment is included in a separate sheet.

**Application Elements:**

- ☒ 29 Pages of Specification, Claims and Abstract
- ☒ 5 Sheets of formal Drawings
- ☒ 3 Pages Combined Declaration and Power of Attorney

- ☒ Newly executed
- ☐ Copy from a prior application (37 CFR 1.63(d) for a continuation or divisional).  
The entire disclosure of the prior application from which a copy of the declaration is herein supplied is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
- ☐ **Deletion of inventors** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

Accompanying Application Parts:

- ☒ Do not publish this application. Nonpublication Request is attached.  
☒ Assignment and Assignment Recordation Cover Sheet (recording fee of \$40.00 enclosed)  
☐ Power of Attorney  
☐ 37 CFR 3.73(b) Statement by Assignee  
☐ Information Disclosure Statement with Form PTO-1449 ☐ Copies of IDS Citations  
☒ Preliminary Amendment  
☒ Return Receipt Postcard  
☐ Other:

Claim For Foreign Priority

- ☐ Priority of      Application No.      filed on  
is claimed under 35 U.S.C. § 119.  
☐ The certified copy has been filed in prior application U.S. Application No.  
☐ The certified copy will follow.

• Extension of Time for Prior Pending Application

- ☐ A Petition for Extension of Time is being concurrently filed in the prior pending application. A copy of the Petition for Extension of Time is attached.

**BEST AVAILABLE COPY**

Fee Calculation (37 CFR § 1.16)

☐

Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.

	(Col. 1) Total Claims		(Col. 2) Claims	(Col. 3) Present Extra	Rate	Additional Fee
TOTAL	40	MINUS	20	= 20	x 18 =	360.00
INDEP.	2	MINUS	3	= 0	x 86 =	0.00
[ ] First presentation of multiple dependent claim					\$290 =	
Basic Filing Fee under 37 C.F.R. §1.16(a)					\$770 =	770.00
TOTAL						1130.00
SMALL ENTITY 50% FILING FEE REDUCTION (if applicable)						

☒

Check No. 8818 in the amount of \$1170.00 is enclosed.

☒

The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 500388 (Order No. NOVLP097).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

☒

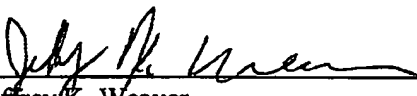
Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 500388 (Order No. NOVLP097).

☒

Please send correspondence to the following address:

**Customer Number 022434**

Date: March 23, 2004

  
\_\_\_\_\_  
Jeffrey K. Weaver  
Registration No. 31,314

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Wu et al.

Attorney Docket No.: NOVLP097/NVLS-2906

Application No.: NEW

Examiner: UNASSIGNED

Filed: HERewith

Group: UNASSIGNED

Title: METHODS OF POROGEN REMOVAL  
FOR POROUS LOW DIELECTRIC  
CONSTANT FILMS USING PLASMA  
TREATMENTS

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Signed: \_\_\_\_\_

Jeffrey Ng

**NONPUBLICATION REQUEST AND CERTIFICATION**  
**(35 U.S.C. 122(b)(2)(B)(i))**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen (18) months after filing. I hereby request that the attached application NOT be published under 35 U.S.C. 122(b).

Date: \_\_\_\_\_

3-23-04

Jeffrey K. Weaver

Registration No. 31,314

**NOTE:**

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications, eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign of international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).